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☒ 1. Document ID: US 6004665 A Relevance Rank: 52

L1: Entry 1 of 2 File: USPT Dec 21, 1999

US-PAT-NO: 6004665

DOCUMENT-IDENTIFIER: US 6004665 A

TITLE: Adhesive tape

DATE-ISSUED: December 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Luhmann; Bernd	Norderstedt	N/A	N/A	DEX
Junghans; Andreas	Hamburg	N/A	N/A	DEX

US-CL-CURRENT: 428/317.3; 428/317.1, 428/317.7, 428/343,  
428/355BL

## ABSTRACT:

Adhesive tape for a bond which can be redetached by pulling without residue and without damage, having a foam backing coated on one or both sides with a self-adhesive composition, characterized in that

a) on at least one of the two sides of the foam backing there is applied a self-adhesive composition whose ratio of tear strength to stripping force (peel force) at a peel angle of less than 10.degree. to the bond surface is greater than 1.2:1,

b) the elongation at break of the adhesive tape is greater than the elongation at break of the foam backing, and

c) the foam backing tears during the redetachment of the bond by pulling (stripping).

13 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☒ 2. Document ID: US 5516581 A Relevance Rank: 47

L1: Entry 2 of 2

File: USPT

May 14, 1996

US-PAT-NO: 5516581

DOCUMENT-IDENTIFIER: US 5516581 A

TITLE: Removable adhesive tape

DATE-ISSUED: May 14, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kreckel; Karl W.	Benzenbergweg	N/A	N/A	DEX
Hager; Patrick J.	Woodbury	MN	N/A	N/A
Rickert; James H.	Marine	MN	N/A	N/A

US-CL-CURRENT: 428/317.3; 428/343, 428/354

ABSTRACT:

A removable adhesive tape comprising a highly extensible and substantially inelastic backing and a layer of pressure-sensitive adhesive. The backing has a high tensile strength, has a lengthwise elongation at break of at least about 150% with less than about 50% elastic recovery after stretching. The adhesive can be a normally tacky and pressure-sensitive adhesive and is coated on at least one surface of the film backing. The adhesive is preferably highly extensible, does not separate from the backing during stretching, and has higher cohesion than adhesion to any suitable substrate. After being applied to a substrate, the adhesive tape of the present invention becomes firmly bonded, but can be easily removed without damaging the substrate by simply stretching it in a direction substantially parallel, i.e., less than about 35.degree., to the surface of the substrate.

19 Claims, 16 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Deso	Image
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